



AD.3.L...

STANDARD SPOOLS

CH. I PAGE 10

## AD.3.L... LEVER OPERATED CETOP 3/NG6



|                           |                                                                       |
|---------------------------|-----------------------------------------------------------------------|
| Max. pressure ports P/A/B | 320 bar                                                               |
| Max. pressure port T      | 160 bar                                                               |
| Max. flow                 | 60 l/min                                                              |
| Lever angle               | 2 x 17°                                                               |
| Fluid viscosity           | 10 ÷ 500 mm <sup>2</sup> /s                                           |
| Fluid temperature         | -25°C ÷ 75°C                                                          |
| Ambient temperature       | -25°C ÷ 60°C                                                          |
| Max. contamination level  | class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$ |
| Weight                    | 1,2 Kg                                                                |
| Weight M1 variant         | 1,8 Kg                                                                |

## ORDERING CODE

|           |                                                               |
|-----------|---------------------------------------------------------------|
| <b>AD</b> | Directional valve                                             |
| <b>3</b>  | CETOP 3/NG6                                                   |
| <b>L</b>  | Lever operation                                               |
| <b>**</b> | Spool type (see table 1)<br>Spool symbol see page I•10        |
| <b>*</b>  | Mounting type (see table 2)                                   |
| <b>*</b>  | <b>Z</b> = Valve with lever<br><b>X</b> = Valve without lever |
| <b>*</b>  | Variants (see table 3)                                        |
| <b>4</b>  | Serial No.                                                    |

TAB.1

## SPOOLS TYPE

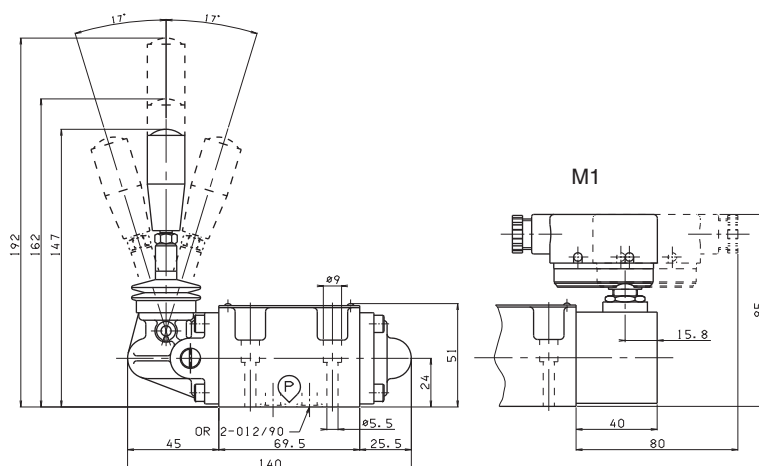
- For these valves spools are different from ones used on the other directional valves
- Available spools:  
01 / 02 / 03 / 04 / 05 / 06 / 66  
07 / 22 / 13 / 15 / 16 / 17

TAB.2

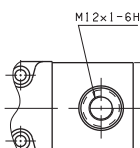
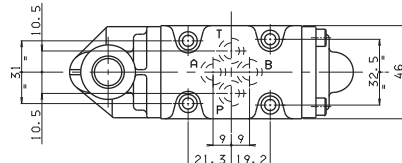
## MOUNTING TYPE



## OVERALL DIMENSIONS



M1 = microswitch



Fixing screws UNI 5931 M5x30  
with material specifications min. 8.8  
Tightening torque 5 Nm / 0.5 Kgm

Support plane specifications

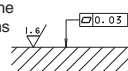


TABLE 3 - VARIANTS TABLE

| VARIANTS                                                                                                  | CODE (♦) |
|-----------------------------------------------------------------------------------------------------------|----------|
| No variant                                                                                                | 00       |
| Viton                                                                                                     | V1       |
| Preset for microswitch<br>Available on request NATIONAL<br>AM1107 type microswitch                        | M1 (♦)   |
| Preset for microswitch + Viton                                                                            | MV (♦)   |
| With detent (*)<br>(mechanical connection)<br>(Springs are different from<br>those for standard versions) | D1 (♦)   |
| Preset for microswitch + Detent (*)                                                                       | MD (♦)   |
| Lever length 162 mm                                                                                       | L1       |
| Lever length 192 mm                                                                                       | L2       |
| ♦ Variant codes stamped on the plate                                                                      |          |

(\*) max. 150.000 cycles.

## TWO SOLENOIDS, SPRING CENTRED “C” MOUNTING

| Spool type |  | Covering | Transient position |
|------------|--|----------|--------------------|
| 01         |  | +        |                    |
| 02         |  | -        |                    |
| 03         |  | +        |                    |
| 04*        |  | -        |                    |
| 44*        |  | -        |                    |
| 05         |  | +        |                    |
| 66         |  | +        |                    |
| 06         |  | +        |                    |
| 07*        |  | +        |                    |
| 08*        |  | +        |                    |
| 09*        |  | +        |                    |
| 10*        |  | +        |                    |
| 22*        |  | +        |                    |
| 11*        |  | +        |                    |
| 12*        |  | +        |                    |
| 13*        |  | +        |                    |
| 14*        |  | -        |                    |
| 28*        |  | -        |                    |

## ONE SOLENOID, SIDE A “E” MOUNTING

| Spool type |  | Covering | Transient position |
|------------|--|----------|--------------------|
| 01         |  | +        |                    |
| 02         |  | -        |                    |
| 03         |  | +        |                    |
| 04*        |  | -        |                    |
| 44*        |  | -        |                    |
| 05         |  | +        |                    |
| 66         |  | +        |                    |
| 06         |  | +        |                    |
| 08*        |  | +        |                    |
| 10*        |  | +        |                    |
| 12*        |  | +        |                    |
| 15         |  | -        |                    |
| 16         |  | +        |                    |
| 17         |  | +        |                    |
| 14*        |  | -        |                    |
| 28*        |  | -        |                    |

DIRECTIONAL CONTROL VALVES  
STANDARD SPOOLS CETOP 3/NG6

## NOTE

(\*) Spool with price increasing

• With spools 15 / 16 / 17 only mounting E / F are possible

• 16 / 19 / 20 / 21 spool not planned for AD.3.E...J\*

• For lever operated the spools used are different.

Available spools for this kind of valve are: 01 / 02 / 03 / 04 / 05 / 06 / 66 / 07 / 22 / 13 / 15 / 16 / 17

## ONE SOLENOID, SIDE B “F” MOUNTING

| Spool type |  | Covering | Transient position |
|------------|--|----------|--------------------|
| 01         |  | +        |                    |
| 02         |  | -        |                    |
| 03         |  | +        |                    |
| 04*        |  | -        |                    |
| 44*        |  | -        |                    |
| 05         |  | +        |                    |
| 66         |  | +        |                    |
| 06         |  | +        |                    |
| 08*        |  | +        |                    |
| 09*        |  | +        |                    |
| 10*        |  | +        |                    |
| 22*        |  | +        |                    |
| 12*        |  | +        |                    |
| 13*        |  | +        |                    |
| 07*        |  | +        |                    |
| 15         |  | -        |                    |
| 16         |  | +        |                    |
| 17         |  | +        |                    |
| 14*        |  | -        |                    |
| 28*        |  | -        |                    |

## TWO SOLENOIDS “D” MOUNTING

| Spool type |  | Covering | Transient position |
|------------|--|----------|--------------------|
| 19*        |  | -        |                    |
| 20*        |  | +        |                    |
| 21*        |  | +        |                    |